

## AstroBoost Resource List

### What is this document?

List of resources provided to the three Astronomy Society project partners by the 2018 AstroBoost project.

### Printed materials / e-documents on USB stick

All documents are included on the USB stick unless otherwise indicated.

#### Electronic versions

- AstroBoost Powerpoint presentation as used during training
- Powerpoint presentation for the Webb show with demos
- Lego Webb building instructions (printed/cut copies provided with model kits)
- Receipts / invoices, showing where things were purchased and costs
- Risk assessment templates for:
  - General display stand
  - Webb show with demos
  - Hershel experiment
  - Print tray activities

#### Evaluation folder (box file):

- A4 sign to display by feedback box
- 130x child questionnaires for show delivered to groups 8-12yr
- 15x leader questionnaires for show delivered to groups 8-12yr
- 150x Self-led questionnaires for drop-in stands (for all ages)
- 15x astronomy society member questionnaires for delivery team
- 7x Show and 10x Event record sheets (for AS event leader)

#### Resource folder (ring-binder):

- Webb show with demos – script & content
- Destination Space phase 2 handbook (for Webb background, only relevant sections printed)
- Infrared camera – helpsheet
- Learning – helpsheet
- Volunteers - helpsheet
- Replica spacecraft parts – helpsheet (provided by UK Web Campaign)
- Prism activities – activity sheet
- Camera activities 1 – activity sheet
- Camera activities 2 – activity sheet
- Cold Webb – activity sheet

- Herschel experiment – activity sheet
- Print tray activities – activity sheet
- Spectroscopy glasses and more – activity sheet
- Additional camera activities – activity sheet

## Physical resources

### General

- USB stick with digital resources
- Folder with printed copies of written activity resources
- Folder with printed copies of evaluation resources
- Pull-up banner (designed by Steve Wilkins, Sussex University)
- Really Useful Boxes for resource storage/transport
- 15x Webb pin badges for AS delivery team (designed/arranged by Steve Wilkins)
- Feedback box
- 3x freestanding A4 sign holders

### Show-related resources

- 3D printed Webb model (RAS hold a spare in case of loss or breakage)
- LED magnifier with 4x AAA batteries
- Replica MIRI pupil masks (arranged by UK Webb Campaign)
- Replica MIRI bolts (provided by UK Webb Campaign)
- Other similar non-space-flight bolts (provided by UK Webb Campaign)
- Powerpoint clicker
- 4x AAA batteries
- Mini dustpan and brush (for glass breakages)
- 20x gold hexagon sections for building Webb's mirror (fabricated by Dave Hills)
- Spray bottle for water
- Glass prism (boxed)
- Plasticine (to create base for Prism)
- Red filter in frame
- Ultra-violet torch
- 3x AA batteries
- Samples of bleached and unbleached paper
- Flir C2 camera (with basic accessories)
- Mini tripod for camera
- 2m USB cable for camera
- Heat pad
- Mini lego Webb model kits (design from UK Webb Campaign, sourcing by Steve Shipway)

- Materials taped to bamboo canes (bin bag and Mylar)
- Black tape and bamboo canes for construction using additional materials
- Flip-up Scoreboard
- Spare Mylar sheets
- Sheet of cardboard
- 2cm “Earth” bead on thread, + 1 spare bead
- 0.6mm “Moon” bead on thread, + many spare beads
- Webb representation (six gold hexagonal beads) on 2.4m length of thread + spare beads
- Tape measure
- Compressed air cannister
- Bicycle pump

#### **Resources not designed to be used in the show**

- Wooden printers-style tray, spray-painted black
- 17 steel ball bearings
- Bin-bag material, taped to create lid for tray
- 17 clear latex balloons
- 30 Spectroscopy glasses
- Three matched spirit thermometers
- Webb stickers (provided by UK Webb Campaign)

## **AstroBoost Project**

The Royal Astronomical Society’s AstroBoost project was funded by a STFC Spark Award and supported by project partners Guildford Astronomical Society, Hampshire Astronomy Group, Newbury Astronomical Society and the STFC’s UK James Webb Space Telescope campaign. The project was managed and developed by Dr Jenny Shipway.